

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Search string:

(5882165 or 5888050 or 5898727 or 5900107 or 5904737 or 5928389 or 5932100 or 5934856 or 5934991 or 5979306 or 5980648 or 5981399 or 5989342 or 6005226 or 6017820 or 6029371 or 6035871 or 6037277 or 6053348 or 6056008 or 6067728 or 6077053 or 6077321 or 6082150 or 6085935 or 6097015 or 6128830 or 6145519 or 6159295 or 6164297 or 6186722 or 6203582 or 6216364 or 6228563 or 6235634 or 6239038 or 6241825 or 6251250 or 6244121 or 6277753 or 6286231 or 6305677 or 6334266 or 6344174 or 6388317 or 6389677 or 6418956 or 6436824

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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

or 6454945 or 6464790).pn.

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FORM PTO-1449 (Modified)

EXAMINER:

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U.S. Department of Commerce Patent and Trademark Office Attorney Docket No.: SSI-04001

Serial No.: 10/680,783

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DISCLOSURBSTATEMENT BY APPLICANT Use Several Pricets If Necessary)

Filing Date: October 6, 2003

Applicant: William Dale Jones

Group Art Unit: 1765

37 CFR § 1.98	В(Ъ))	MABE		Filing Date: October 6	, 2003	Group Art Uni	11. 1703	
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INFORMATION DISCLOSUS STATEMENT BY APPLICANT (Use Several Specis If Necessary)

Applicant: William Dale Jones Filing Date: October 6, 2003

Group Art Unit: 1765

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR Title of Invention

10/680783 Application Number:

Confirmation Number: \$859

First Named Applicant: William Jones Attorney Docket Number:

Search string:

(6521466 or 6541278 or 6546946 or 6550484 or 6558475 or 6561213 or 6561220 or 6561481 or 6561767 or 6564826 or

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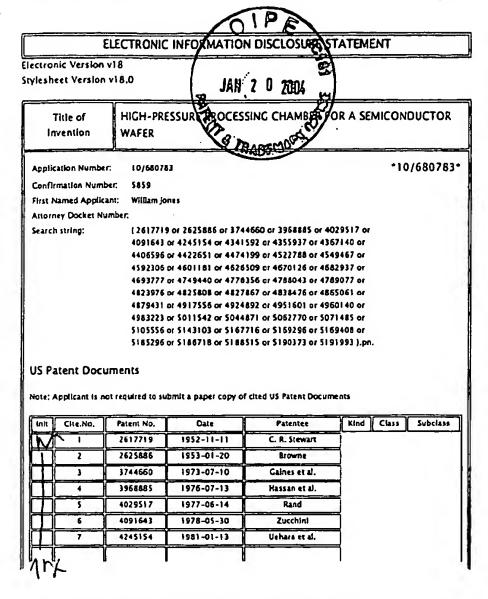
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT Electronic Version v18

Stylesheet Version vI 8.0

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR Title of Invention

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Search string:

(\$882165 or 5888050 or 5898727 or 5900107 or 5904737 or 5928389 or 5932100 or 5934856 or 5934991 or 5979306 or 5980548 or 5981399 or 5989342 or 6005226 or 6017820 or 6029371 or 6035871 or 6037277 or 6053348 or 6056008 or 6067728 or 6077053 or 6077321 or 6082150 or 6085935 or 5097015 or 6128630 or 6145519 or 6159295 or 6164297 or

6186722 or 6203582 or 6216384 or 6228563 or 6235634 or 6239038 or 6241825 or 6251250 or 6244121 or 6277753 or 6286231 or 6305677 or 6334266 or 6344174 or 6388317 or 5389677 or 6418956 or 6436824 or 6454945 or 6464790).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

it Cite.	No. Patent No.	Date	Patentee	Kind	Class	Subclas
1	5882165	1999-03-16	Maydan et al.			
2	5888050	1999-01-30	Fitzgerald et al.	7		
7	5898927	1999-04-27	Fujikawa et al.	7		
1	5900107	1999-05-04	Murphy et al.	7		
5	5904737	1999-05-18	Preston et al.			
6	5928389	1999-07-27	jevtic	7		
7	5932100	1999-08-03	Yager et al.	7		
				7		

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Information Disclosure Statement

Page 3 of 3

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4	6286231	2001-09-11	Bergman et al.	81
42	6365677	2001-10-23	Kenz	81
43	6334256	2002-01-01	Moritz et al.	61
44	6344174	1002-02-05	Miller et al.	B1
45	6389317	2002-06-14	Reese	81
46	6389677	2002-05-21	Lenz	81
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1 50	6464790	2002-10-15	Shertinsky et al.	81

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current electronic filing contains part 3 out of a total of 4 electronic filings.

Signature

Examiner Name	Date

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Electronic Version v18
Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783.

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Search string:

(5186594 or 5769588 or 5906866 or 5975492

or 6122566 or 6355072 or 6454519 or 20030205510 or 20040020518).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
M	1	5186594	1993-02-16	Toshima et al.	•		
	2	5769588	1998-06-23	Toshima et al.			
	3	5906866	1999-05-25	Webb			
	4	5975492	1999-11-02	Brenes			
	5	6122566	2000-09-19	Nguyen et al.			
	6	6355072	2002-03-12	Racette et al.	B1		
11	7	6454519	2002-09-24	Toshima et al.	B1		

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
1/1	1	20030205510	2003-11-06	Jackson	A1		
[h	2	20040020518	2004-05-02	DeYoung et al.	A1		

Signature

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9/23/05

Examiner Name Date

FORM PTO-14 (Modified)	JUN JUN	2 5 2004	U.S. Depart	ment of Commerce Trademark Office	Attorney Docket No.:	SSI-04001	Serial No.: 10/	680.783	
		ON DISCHOSURE S			Applicants: William E				
(37 CFR § 1.98	(A))	A Harise Veral Sheet	FATEMENT BY AP is If Necessary)		Filing Date: October 6		Group Art Uni	ı: 1765	
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		Document Number	Publication Date	Country	/ Patent Office	Class	Subclass	Trans	No
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	No	OTUER	DOCUMENTS (feels	ding Author Title D	ate, Relevant Pages, Plac	o of Bublication)			
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Electronic Version v18

Stylesheet Version v18.0

Invention Title of HIGH-PRESSURE CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number: 10/680783

Confirmation Number: 5859

First Named Applicant: William Jones

Attorney Docket Number:

(\$186594 or \$769588 or \$906866 or \$975492 or 6122566 or 6355072 or 6454519 or 20030205510 or 20040020518).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents.

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	6	7	1	3	2	-	Cite.No.	
N	6355072	6122566	5975492	×906866	5769588	5186594	Patent No.	
	2002-03-12	2000-09-19	1999-11-02/	7999-05-25	1998-06-23	1993-02-16	Date	
	Racette et al.	Ngyyen et al.	Brenes	Webb	Toshrima et al.	Toshima eval.	Patentee	
	<u></u>			7	/		Kind	
JL							Class Subclass	

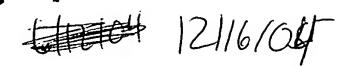
US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

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		2	20040020518	2004-98-02	DeYoung et al.	A1		
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SEE IDS FILED 6/22/04

10/680783



Electronic Version v18

Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Art Unit:

Examiner:

Search string:

(3623627 or 4426358 or 4574184 or 5374829 or 5474410 or 5879459 or 6048494

or 6062853 or 6089377 or 6406782 or 20010050096).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

in	it	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
IN	$I \gamma$, 1	3623627	1969-08-22	Alan S. Bolton			
		2	4426358	1984-01-17	Johansson			
\prod		3	4574184	1986-03-04	Wolf et al.			
		4	5374829	1994-12-20	Sakamoto et al.			
		5	5474410	1995-12-12	Ozawa et al.			
		6	5879459	1999-03-09	Gadgil et al.			
		7	6048494	2000-04-11	Annapragada			
		8	6062853	2000-05-16	Shimazu et al.			
		9	6089377	2000-07-18	Shimazu			
TP		10	6406782	2000-06-18	Johnson et al.	B2		

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
Min 1	20010050096	2001-12-13	Costantini et al.	A1		

Signature

Examiner Name

U.S. Department of Commerce Patent and Trademark Office **FORM PTO-1449** Serial No.: 10/680,783 Attorney Docket No.: SSI-04001 (Modified) DISCLOSURE TVATEMENT BY APPLICANT LUSE Several Species If Necessary) INFORMAT Applicants: William Dale Jones Group Art Unit: 1765 Filing Date: October 6, 2003 (37 CFR § 1.98(b)) U.S. PATENT DOCUMENTS Serial / Patent Number Examiner Initials Filing Date Subclass Applicant / Patentee Class Issue Date AAΑB AC AD ΑE ΑF AG AH Αl AJ FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS Translation Document Country / Patent Office Class Subclass **Publication Date** Number Yes No JP 40 5283511 A X ΑK 10/29/93 JP HOIL 21/68 JP 21/304 ΑL JP 2001-77074 03/23/01 HOIL X AM AN AO OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) AP AQ AR AS ΑT ΑU AVΑW ΑX AYΑZ Examiner: Date Considered: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **EXAMINER:**

10/680783

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18 Stylesheet Version vi 8.0

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR Title of

" WAFER Invention

10,660783 Application Number.

Confirmation Number: 5859 First Named Applicant: William Jones

Attorney Docket Number:

Search string.

(3623627 or 4426358 or 4574184 or 5374829 or 5474410 or 5879459 or 6048494 or 6062853 or 6089377 or 6406782 or

20010050096).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

tnit	Cite.No.	Patent No.	Date	Patentee	Kind	Clasy	Subclass
		3623627	1969-08-22	Alan S, Bolton		—	
		A26350	1984-01-17	Johansson			
	3/	4574184	1986-01-04	Wolf et al.			
		5374829/	1994-12-20	Sakamoto et al			
	5	5474410	1995-12-1/2	Ozawa ey âl.			
	6	5879459	1999-03-09	Gadgil et al.			
	' /	6048494	2900-04-11	Annapragada			
	9/	6052853	2000-05-16	Shimazu et al.			
	/9	6089377	2000-07-18.	Shimazu			
	10	6406762	2000-06-18	Johnson et al.	. B2		

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

Init CiteNo. Pub. No. 2001-12-13 20010050096 Concottal et al. Signature Examiner Name

Copy of IDS FILED 12/16/04

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Art Unit:

Examiner:

Search string:

(3681171 or 4827867 or 5009738 or 6221781 or 6306564 or 6497239 or

20030005948).pn

<u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Toku Hojo et al. Takei et al. Gruenwald et al.			
Gruenwald et al.		Î .	
Siefering et al.	B1		
Mullee	B1		
Farmer et al.	B2		
	Mullee	Mullee B1	Mullee B1

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
gh-	1	20030005948	2003-01-09	Matsuno et al.	A1		

Signature

9/23/05

2/14/05

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Art Unit:

Examiner:

Search string:

(3689025 or 5679169 or 6021791 or 6109296 or 6465403 or 6508259 or 6509141

or 6635565 or 6641678).pn

<u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
W	1	3689025	1972-09-05	Kiser		9	
	2	5679169	1997-10-21	Gonzales et al.			
	3	6021791	2000-02-08	Dryer et al.			
	4	6109296	2000-08-29	Austin			
	5	6465403	2002-10-15	Skee	B1		
	6	6508259	2003-01-21	Tseronis et al.	B1		
	7	6509141	2003-01-21	Mullee	B2		
	8	6635565	2003-10-21	Wu et al.	B2		
	9	6641678	2003-11-04	DeYoung et al.	B2		

Examiner Name	Date
	9/23/05

4/8/03

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Art Unit:

Examiner:

Search string:

(4391511 or 6722642).pn

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
104	_ 1	4391511	1983-07-05	Akiyama et al.			
IN	_ 2	6722642	2004-04-20	Sutton et al.	B1		

Examiner Name	Date		
I An A	9/23/05		

5/16/85

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Art Unit:

Examiner:

Search string:

(20030036023 or 20040134515).pn

<u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
113		20030036023	2003-02-20	Moreau et al.	A1		
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Examiner Name	Date
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Art Unit:

Examiner:

Search string:

(5494526 or 6333268).pn

<u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
Not	1	5494526	1996-02-27	Paranjpe			
M	_ 2	6333268	2001-12-25	Starov et al.	B1		

Examiner Name	Date		
INP	9/23/05		

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Art Unit:

Examiner:

Search string:

(5306350 or 5772783 or 5850747 or 5858107 or 5943721 or 5946945 or 5970554

or 6070440 or 6264753 or 6612317 or 6736149 or 6764552 or 6805801 or 6851148

or 6874513).pn

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US Patent Documents

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
14	1	5306350	1994-04-26	Hoy et al.			
	2	5772783	1998-06-30	Stucker			
	3	5850747	1998-12-22	Roberts et al.			
	4	5858107	1999-01-12	Chao et al.	·		
	5	5943721	1999-08-31	Lerette et al.			
\Box	6	5946945	1999-09-07	Kegler et al.			
	7	5970554	1999-10-26	Shore et al.			
	8	6070440	2000-06-06	Malchow et al.			
	9	6264753	2001-07-24	Chao et al.			
	10	6612317	2003-09-02	Costantini et al.			
	11	6736149	2004-05-18	Biberger et al.	B2		
	12	6764552	2004-07-20	Joyce et al.	B1		
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Δ)/	15	6874513	2005-04-05	Yamagata et al.	B2	
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

HIGH-PRESSURE PROCESSING CHAMBER FOR A SEMICONDUCTOR WAFER

Application Number:

10/680783

Confirmation Number:

5859

First Named Applicant:

William Jones

Attorney Docket Number:

Art Unit:

Examiner:

Search string:

(20030051741).pn

<u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20030051741	2003-03-20	DeSimone et al.			

Examiner Name	Date		
AM	9123/05		